AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A transgenic bird

which is obtained as a G1 transgenic bird or an offspring thereof by: incubating a fertilized avian egg,

- a) microinjecting, into the early embryo thereof at a stage except for and after the blastodermic stage just after egg laying, a replication-deficient retroviral vector coding for a desired protein,
 - b) allowing the egg to hatch out to thereby obtain a G0 transgenic chimeric bird, and
- c) mating the G0 transgenic chimeric bird with another G0 transgenic chimeric bird or an offspring thereof or with a wild-type bird,

wherein the replication-deficient retroviral vector is derived from Moloney murine leukemia virus.

- (original): The transgenic bird according to Claim 1
 wherein the early embryo is at least 24 hours after the start of incubation.
- 3. (original): The transgenic bird according to Claim 2 wherein the early embryo is at least 48 hours after the start of incubation.

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4. (previously presented): The transgenic bird according to Claim 1 wherein the desired protein is an antibody.

- 5. (previously presented): The transgenic bird according to Claim 1 wherein the bird is a chicken or a quail.
- 6. (previously presented): A transgenic bird which is a G2 transgenic bird or an offspring thereof obtained by mating the G1 transgenic bird according to Claim 1 with a G0 transgenic bird, another G1 transgenic bird or an offspring thereof, or with a wild-type bird.
 - 7. (withdrawn): A method for constructing a G1 transgenic bird which comprises incubating a fertilized avian egg,
- a) microinjecting, into the early embryo thereof at a stage except for and after the blastodermic stage just after egg laying, a replication-deficient retroviral vector coding for a desired protein,
 - b) allowing the egg to hatch out to thereby obtain a G0 transgenic chimeric bird, and
- c) mating the G0 transgenic chimeric bird with another G0 transgenic chimeric bird or an offspring thereof or with a wild-type bird.
 - 8. (withdrawn): The method for constructing a transgenic bird according to Claim 7

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wherein the early embryo is at least 24 hours after the start of incubation.

9. (withdrawn): The method for constructing a transgenic bird according to Claim 8

wherein the early embryo is at least 48 hours after the start of incubation.

10. (withdrawn): The method for constructing a transgenic bird according to Claim 7

wherein the desired protein is an antibody.

11. (withdrawn): The method for constructing a transgenic bird according to Claim 7

wherein the bird is a chicken or a quail.

12. (withdrawn): The method for constructing a transgenic bird according to Claim 7

which comprises microinjecting a replication-deficient retroviral vector having a titer of

not lower than 1 x 10⁷ cfu/ml.

13. (withdrawn): The method for constructing a transgenic bird according to Claim

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which comprises microinjecting a replication-deficient retroviral vector having a titer of

not lower than 1 x 10⁹ cfu/ml.

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14. (withdrawn): A method for constructing a transgenic bird

which comprises mating the G1 transgenic bird according to Claim 1 with a G0 transgenic bird, another G1 transgenic bird or an offspring thereof or with a wild-type bird to construct a G2 transgenic bird or an offspring thereof.

- 15. (withdrawn): A method for producing a protein which comprises extracting a desired protein from somatic cells, blood or eggs from a transgenic bird constructed by the method according to Claim 7.
- 16. (withdrawn): A method for sorting out a reproductive lineage transgenic chimeric bird

which comprises collecting sperm samples from transgenic birds according to Claim 1 and testing them for the gene in the sperm.

- 17. (withdrawn): The method for constructing a transgenic bird according to Claim 7 wherein the replication-deficient retroviral vector is a vector derived from Moloney murine leukemia virus.
 - 18. (withdrawn): The method for constructing a transgenic bird according to Claim 7 wherein the replication-deficient retroviral vector is VSV-G pseudotyped.

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19. (withdrawn): The method for constructing a transgenic bird according to Claim 7 wherein the replication-deficient retroviral vector contains a non-retrovirus-derived gene.

20. (withdrawn): The method for constructing a transgenic bird according to Claim
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wherein the non-retrovirus-derived gene is controlled under the chicken β -actin promoter.

- 21. (withdrawn): The method for constructing a transgenic bird according to Claimwherein the non-retrovirus-derived gene codes an antibody.
- 22. (withdrawn): The method for constructing a transgenic bird according to Claim21wherein the antibody is a chimeric antibody.
- 23. (withdrawn): The method for constructing a transgenic bird according to Claimwherein the chimeric antibody is scFv-Fc antibody.

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24. (canceled).

25. (currently amended): An egg laid by the transgenic bird according to Claim 24Claim 1

which contains not lower than 1 mg/100 g of the desired protein.

26. (currently amended): An egg laid by the transgenic bird according to Claim 24Claim 1

which contains not lower than 20 mg/100 g of the desired protein.

27. (currently amended): An egg laid by the transgenic bird according to Claim 24Claim 1

which contains not lower than 100 mg/100 g of the desired protein.

28. (withdrawn): A method for sorting out a reproductive lineage transgenic chimeric bird

which comprises incubating a fertilized avian egg, microinjecting, into the early embryo thereof at a stage except for and after the blastodermic stage just after egg laying, a replication-deficient retroviral vector coding for a desired protein and confirming the gene coding for the desired protein in the sperm of the male G0 transgenic bird obtained by hatching.

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29. (withdrawn): A method for sorting out a transgenic bird which comprises confirming the expression of the desired protein in the blood of the transgenic bird according to Claim 1.

30. (withdrawn): A method for sorting out a G0 transgenic chimeric bird which comprises incubating a fertilized avian egg, microinjecting, into the early embryo thereof at a stage except for and after the blastodermic stage just after egg laying, a replication-deficient retroviral vector coding for a desired protein and confirming the expression of the desired protein in the blood of the G0 transgenic bird obtained by hatching.